

Claims

1. A coating for a medical device comprising a copolymer of a polyalkylene glycol terephthalate and an aromatic polyester.
2. A coating according to claim 1, wherein the polyalkylene glycol is chosen from the group of polyethylene glycol terephthalate, polypropylene glycol
5 terephthalate, and polybutylene glycol terephthalate.
3. A coating according to claim 2, wherein the polyalkylene glycol is polyethylene glycol terephthalate.
4. A coating according to any of the preceding claims, wherein the polyester is chosen from the group of polyethylene terephthalate,
10 polypropylene terephthalate, and polybutylene terephthalate.
5. A coating according to claim 4, wherein the polyester is polybutylene terephthalate.
6. A coating according to any of the preceding claims, wherein the copolymer comprises 20-90 wt.%, preferably 40-70 wt.%, based on the weight of
15 the copolymer, of the polyalkylene glycol.
7. A coating according to any of the preceding claims, wherein the weight average molecular weight of the polyalkylene glycol is from about 150 to about 4000, preferably from about 200 to about 1500.
8. A coating according to any of the preceding claims, wherein the weight
20 average molecular weight of the copolymer lies between about 10,000 and about 300,000, preferably between about 40,000 and about 120,000.
9. A coating according to any of the preceding claims further comprising an additive.
10. A coating according to claim 9, wherein the additive is a biologically
25 active agent chosen from the group of antimicrobial agents, such as antibacterial and anti-fungal agents, anti-viral agents, anti-tumor agents, immunogenic agents, lipids, lipopolysaccharides, hormones and growth factors.

11. A coating according to claim 9, wherein the additive is a biologically active agent is chosen from the group of peptides, oligopeptides, polypeptides and proteins.
12. A coating according to any of the preceding claims, applied to a surface
5 chosen from the group of metals, metal alloys, ceramics, glasses and polymeric materials.
13. A coating according to claim 12, wherein the surface is a surface of a medical device chosen from the group of catheters, stents, fibres, non-woven fabrics, vascular grafts, porous metals for e.g. acetabulum revision, and porous
10 scaffolds for tissue engineering.
14. A coating according to any of the preceding claim, which is porous.
15. A method for applying a coating according to any of the preceding claims to a surface, comprising brushing, spraying, wiping, dipping, extruding or injecting.
- 15 16. A method according to claim 15, wherein the surface is cleaned and/or subjected to a mechanical treatment prior to application of the coating.
17. A method according to claim 15 or 16, wherein the coating is applied from a solution or suspension of the copolymer.
18. A method according to claim 17, wherein a biologically active agent is
20 included in the solution or suspension.
19. A method according to claim 17 or 18, wherein a pore-forming agent is included in the solution or suspension.
20. A medical device comprising a coating according to any of the claims 1-13.
- 25 21. A medical device according to claim 20 chosen from the group of catheters, fibres, non-woven fabrics, vascular grafts, porous metals for e.g. acetabulum revision, dental filling materials, materials for approximation, adhesion of tissues, materials used in osteo-synthesis (e.g. pins or bone screws), cardiac patches, sutures, soft and hard tissue scaffolds and fillers (e.g.
30 collagen, calcium phosphate, bioglass), stents, bone void fillers intended for the

repair of bone defects, intrauterine devices, root canal fillers, drug delivery pumps, implantable infusion pumps, spacer devices, implants containing medicinal products, and scaffolds for tissue engineering.